

I Claim:

1. A storable transfer conveyor system for moving bundles from an upstream conveyor to a downstream conveyor comprising:
  - 5 a. a storable transfer conveyor in a first operative position located adjacent to said upstream conveyor and positioned to deliver said bundles to said downstream conveyor; and
  - b. said storable transfer conveyor being moveable to a second stored position in elevational juxtaposition with said downstream conveyor
- 10 substantially vacating the floor area occupied by said storable transfer conveyor in said first operative position.
2. A storable transfer conveyor system as described in claim 1 comprising:
  - a. said storable transfer conveyor is stored on top of said downstream
  - 15 conveyor; and
  - b. said downstream conveyor has powered pulling means for pulling said storable transfer conveyor onto said downstream conveyor.
3. A storable transfer conveyor system as described in claim 2 comprising:
  - 20 a. said storable transfer conveyor has powered rollers;
4. A storable transfer conveyor system as described in claim 2 comprising:
  - a. lift means for raising said storable transfer conveyor so that it can be pulled onto said downstream conveyor by said powered pulling means.
- 25 5. A storable transfer conveyor system as described in claim 2 comprising:
  - a. said lift means for said storable transfer conveyor includes an upstream lift mechanism and a downstream lift mechanism for raising said storable transfer conveyor so that it can be pulled onto said downstream conveyor by
  - 30 said downstream powered means.

EL 967 947 484

6. A storable transfer conveyor system as described in claim 5 comprising:
- a. motorized caster wheels for moving said storable transfer conveyor over said downstream conveyor.
- 5 7. A storable transfer conveyor system as described in claim 2 comprising:
- a. said downstream conveyor is part of a bundle breaker machine; and
  - b. said bundles are nicked so that bundles may be broken into smaller bundles in said bundle breaker machine.
- 10 8. A storable transfer conveyor system as described in claim 7 comprising:
- a. said storable transfer conveyor is stored on top of said downstream conveyor; and
  - b. said downstream conveyor has powered pulling means for pulling said storable transfer conveyor onto said downstream conveyor.
- 15 9. A storable transfer conveyor system as described in claim 8 comprising:
- a. a lifting means is provided for raising said storable transfer conveyor to a raised position for movement to a second stored position on top of said downstream conveyor and said lifting means also lowers said storable transfer
- 20 conveyor when said powered storable transfer conveyor is moved from said second stored position to said first operative position.
10. A storable transfer conveyor system as described in claim 2 wherein:
- a. said storable transfer conveyor includes a pair of wheels for supporting
- 25 and moving the upstream end of said storable transfer conveyor during movement of said storable transfer conveyor from said first operative position to said second stored position.
11. A storable transfer conveyor system as described in claim 9 wherein:
- a. said lifting means includes a downstream lift mechanism mounted on
- 30 said bundle breaker machine for lifting the downstream end of said storable transfer conveyor, and an upstream lift mechanism mounted on said upstream

end of said storable transfer conveyor for lifting said upstream end of said storable transfer conveyor.

12. A storable transfer conveyor system as described in claim 11 wherein:

- 5           a. said downstream lift mechanism for lifting the downstream end of said storable transfer conveyor includes a hydraulic lift mechanism; and  
            b. said upstream lift mechanism includes a hydraulic lift mechanism.

13. A storable transfer conveyor system as described in claim 11 comprising:

- 10           a. said storage transfer conveyor has powered rollers; and  
            b. said storable transfer conveyor includes electrical power cables and power control lines connecting said storable transfer conveyor and said bundle breaker machine which need not be disconnected and reconnected when said storable transfer conveyor is moved from said first operative position to said  
15 second stored position or back again to said first operative position.

14. A storable transfer conveyor system as described in claim 13 comprising:

- a. a projection member operably mounted on said storable transfer conveyor; and  
20           b. a stop member operably mounted on said bundle breaker machine for contacting said projection member for preventing said storable transfer conveyor from falling to said floor area when said storable transfer conveyor is moved from said second stored position to said first operative position.